

### § 401.13

lines—wires, independently power operated by the main drums of adequate power operated winches as follows:

(i) One mooring line shall lead forward and one mooring line shall lead astern from the break of the bow.

(ii) One mooring line shall lead forward and one mooring line shall lead astern from the quarter.

(3) Vessels of more than 150 m in overall length shall have four mooring lines—wires, independently power operated by the main drums of adequate power operated winches as follows:

(i) One mooring line shall lead forward and one mooring line shall lead astern from the break of the bow and shall be independently power operated by the main drums of adequate power operated winches; and

(ii) One mooring line shall lead forward and one mooring line shall lead astern from the quarter and shall be independently power operated by the main drums of adequate power operated winches.

(iii) All lines shall be led through a type of fairlead acceptable to the Manager and the Corporation.

(b) Unless otherwise permitted by the officer, the following table sets out the requirements for the location of fairleads or closed chocks for vessels of 100 m or more in overall length:

TABLE

Overall length of ships	For mooring lines Nos. 1 and 2	For mooring lines Nos. 3 and 4
100 m or more but not more than 180 m.	Shall be at a location on the ship side where the beam is at least 90% of the full beam of the vessel.	Shall be at a location on the ship side where the beam is at least 90% of the full beam of the vessel.
More than 180 m but not more than 222.5 m.	Between 20 m & 50 m from the stern.	Between 20 m & 50 m from the stern.

[74 FR 18994, Apr. 27, 2009, as amended at 75 FR 10689, Mar. 9, 2010; 76 FR 13089, Mar. 10, 2011; 77 FR 40804, July 11, 2012]

### § 401.13 Hand lines.

Hand lines shall:

(a) Be made of material acceptable to the Manager and the Corporation;

(b) Be of uniform thickness and have a diameter of not less than 12 mm and not more than 17 mm and a minimum

### 33 CFR Ch. IV (7–1–14 Edition)

length of 30 m. The ends of the lines shall be back spliced or tapered; and

(c) Not be weighted or have knotted ends.

[70 FR 12971, Mar. 17, 2005, as amended at 79 FR 12659, Mar. 6, 2014]

### § 401.14 Anchor marking buoys.

(a) Every vessel shall have its anchors cleared and have the anchor marking buoys free to deploy (weak link to hold buoy line on board) with the buoy lines firmly secured to each anchor and ready to be released prior to entering the Seaway.

(b) Every vessel shall deploy the anchor marking buoy when dropping an anchor in Seaway waters.

[79 FR 12659, Mar. 6, 2014]

### § 401.15 Stern anchors.

(a) Every vessel of more than 125 m in overall length, the keel of which is laid after January 1, 1975, shall be equipped with a stern anchor.

(b) Every integrated tug and barge or articulated tug and barge unit greater than 125 m in overall length which is constructed after January 1, 2003 shall be equipped with a stern anchor.

[77 FR 40804, July 11, 2012]

### § 401.16 Propeller direction alarms.

Every vessel of 1600 gross registered tons or integrated tug and barge or articulated tug and barge unit of combined 1600 gross registered tons or more shall be equipped with—

(a) Propeller direction and shaft r.p.m. indicators located in the wheelhouse and the engine room; and

(b) Visible and audible wrong-way propeller direction alarms, with a time delay of not greater than 8 seconds, located in the wheelhouse and the engineer room, unless the vessel is fitted with a device which renders it impossible to operate engines against orders from the bridge telegraph.

(68 Stat. 93–96, 33 U.S.C. 981–990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95–474, 92 Stat. 1471)

[41 FR 12227, Mar. 24, 1976, as amended at 45 FR 52378, Aug. 7, 1980; 70 FR 12971, Mar. 17, 2005; 71 FR 5606, Feb. 2, 2006]